GABRIEL

ROLLED STEEL PRODUCTS

Sell these Quality Built Home Building Necessities

W. R. Bennett Jr.
So. York St.
Mechanicsburg
Pa.

GABRIEL ROLLED STEEL PRODUCTS

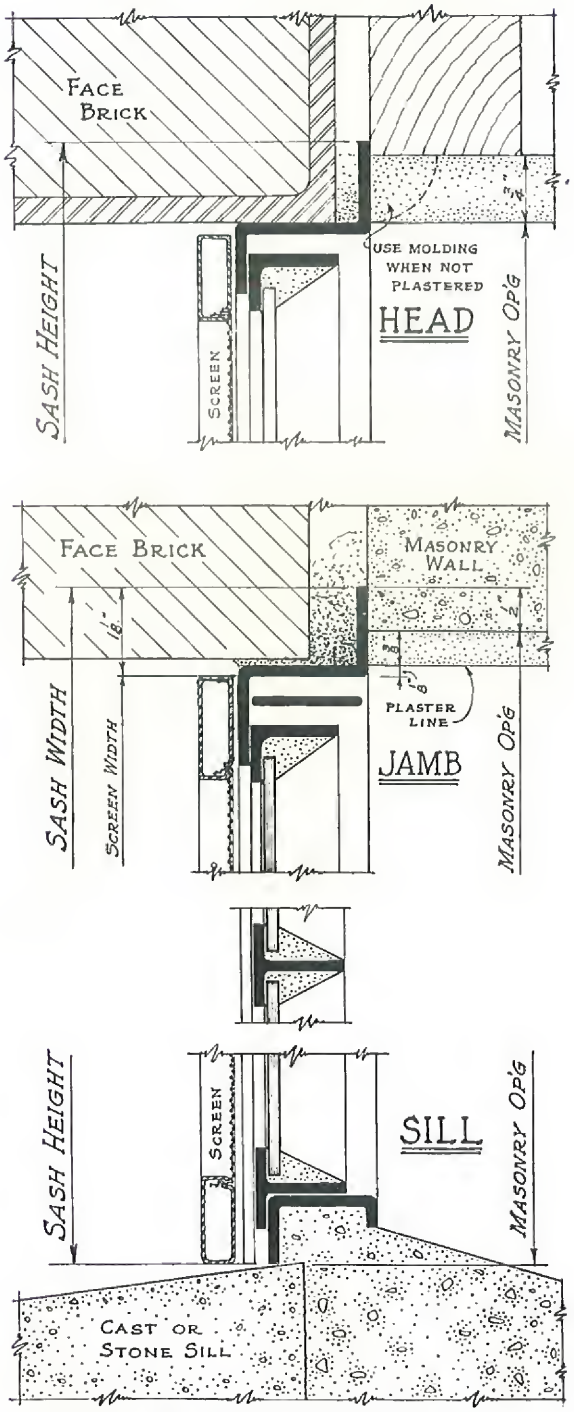
Today's home building is protected and insured wholly by the detail of construction and the quality of material used. A few dollars can be saved in the original cost of a home by "hurry up" details of construction and the use of CHEAP materials. Every community has examples of this type of building with visible proof of its folly. Real economy demands good construction and good materials.

Gabriel products have been designed and improved to keep pace with American progress. Cost has naturally been considered but inbuilt qualities of design, utility, ruggedness and usability have determined product design.

Thousands of building supply, lumber, hardware, and miscellaneous iron dealers are recommending and selling Gabriel Home Building Specialties. Their sales are increasing. Builders and home owners do appreciate well made, usable products.

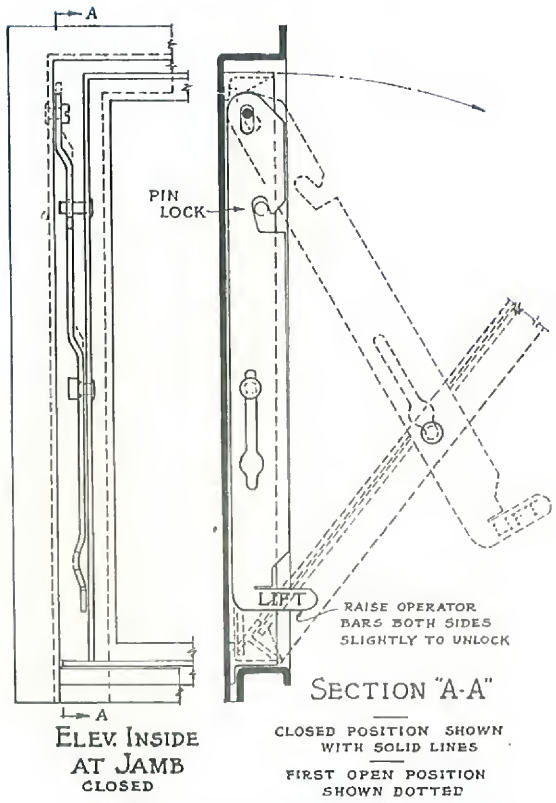
You will find definite value in the construction and design of each of the home building specialties shown in this catalog and your selection of Gabriel will bring you benefits far more valuable than immediate monetary profits.

Sections thru Head, Jamb and Sill of the Gabriel Basement Sash



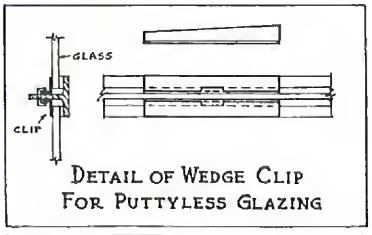
SASH IN BRICK VENEER WALL

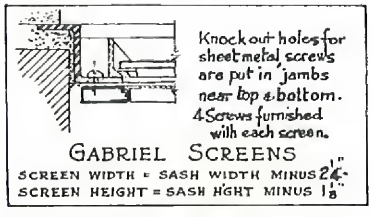
Operating Details



BUILT-IN AUTOMATIC LOCKS AT BOTH JAMBS

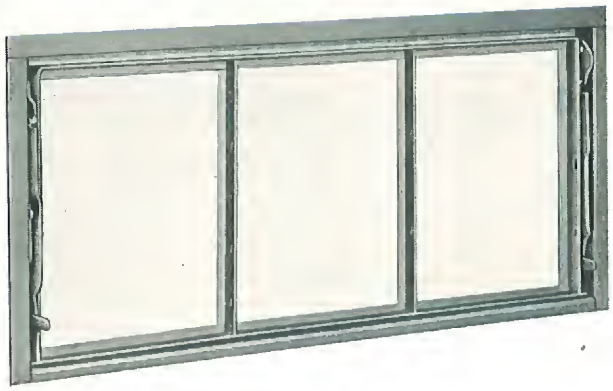
Puttyless Glazing and Screen Details



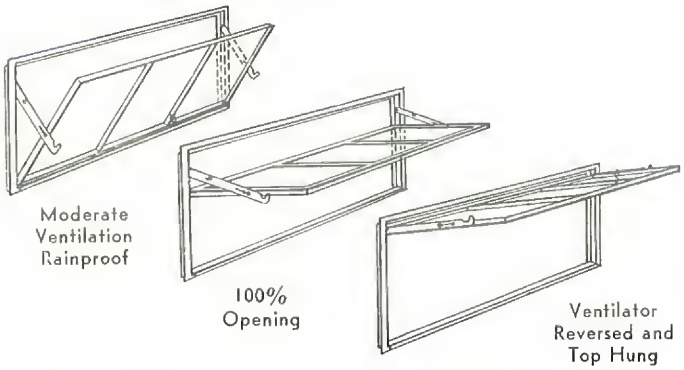


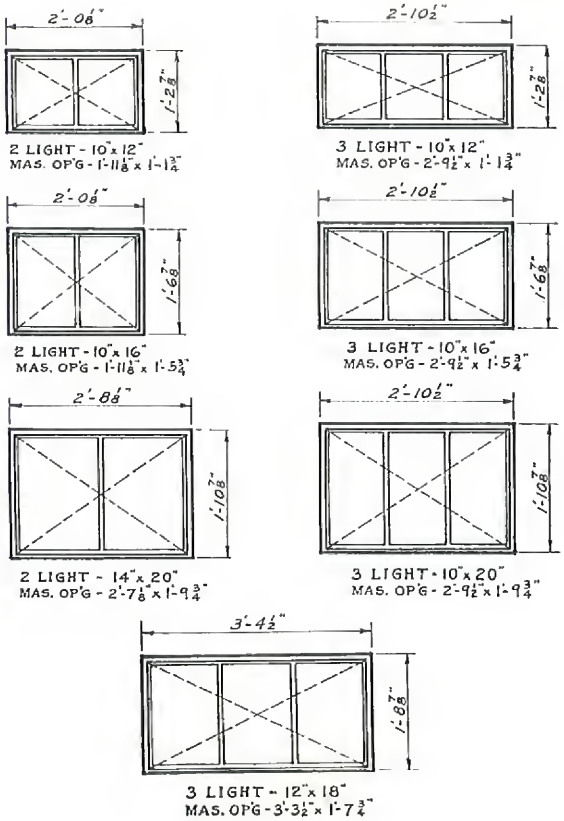
NOTE- WIDTHS AND HEIGHTS OF SASH IN DIAGRAMS AT LEFT ARE OVER ALL DIMENSIONS OF SASH. SEE HALF SIZE DETAILS AT RIGHT.

GABRIEL ROLLED STEEL PRODUCTS



NOTE:-EVERY GABRIEL SASH CAN INSTANTLY BE OPENED TO ANY OF THE THREE POSITIONS SHOWN





GABRIEL BASEMENT SASH

Drawings on these two pages show installation and construction details. Dimensions of masonry opening for each of the seven sizes, together with overall dimensions are given in the line drawings. Particular attention should be given to these dimensions and installation suggestions shown on the opposite page when basement walls ARE TO BE PLASTERED. Adequate fin width at head and jambs are provided for plaster finish.

Note that the sill section of the frame is an unequal leg section providing for positive weatherproofness at this important point. Puttyless glazing and screen attachment details are also shown.

Metal frame screens can be provided for all sizes of sash. Screens are made with a wide tubular frame section with 16 mesh bronze screen, which can be removed and replaced by removing metal splines, replacing screen and pressing splines back into spline grooves. Screen frames are furnished in a gray baked enamel finish.

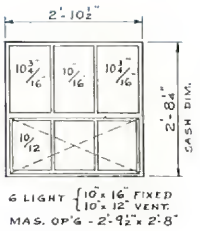
Basement sash are furnished in seven popular sizes, with a prime coat of steel gray lead and oil paint.

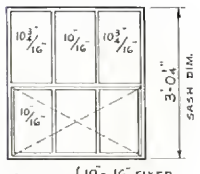
SCHEDULE OF SIZES

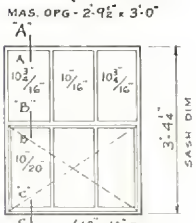
2 light . . .	10" x 12" Glass size
2 light	10" x 16" Glass size
2 light . . .	14" x 20" Glass size
3 light	10" x 12" Glass size
3 light . . .	10" x 16" Glass size
3 light	10" x 20" Glass size
3 light . . .	12" x 18" Glass size

Screens for All Sizes.

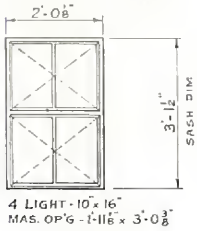
Utility and Area-way Sash details are shown on Page 6.

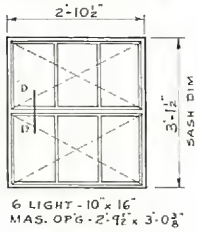




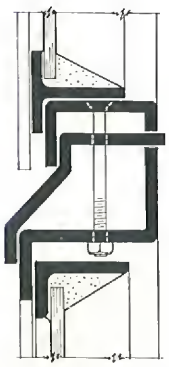


UTILITY SASH

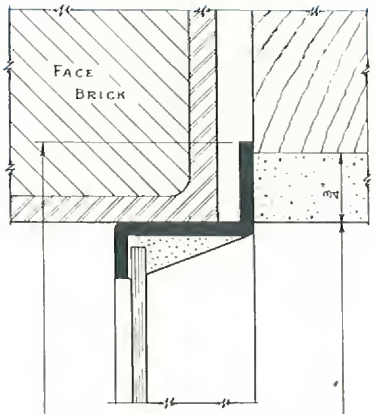




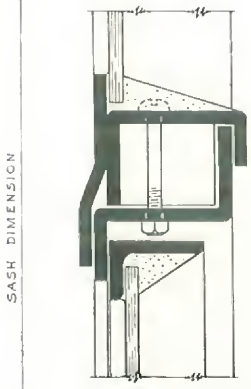
AREAWAY SASH



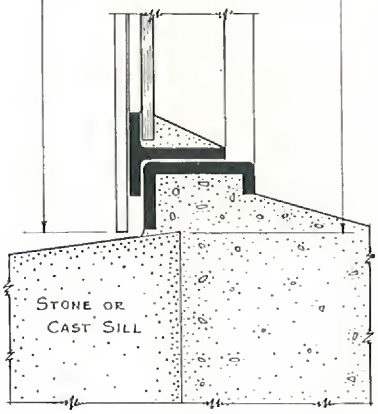
SECTION "D-D"
AT TRANSOM BAR
AREAWAY SASH



SECTION "A-A"
AT SASH HEAD



SECTION "B-B"
AT TRANSOM BAR



SECTION "C-C"
AT SILL

VERTICAL SECTIONS
THRU UTILITY SASH

GABRIEL UTILITY SASH
AND
AREAWAY SASH

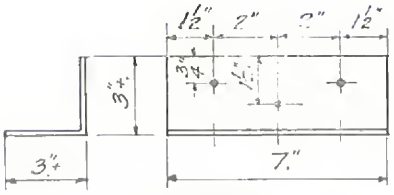
Utility Sash

Gabriel again leads the way in providing a sash which completely fulfills several requirements. A Utility Sash, as the name implies, has many uses. To economically serve this purpose in detail, size, and degree and location of ventilation, the Gabriel design, shown in detail in the left hand column of this page is offered. A 3 light unit the "Utility Fixed Light," used in combination with standard Gabriel basement sash offers a range of sizes which will meet every requirement. The 3 light unit of fixed lights is shown as the upper unit and must be so used. A specially formed sill section, to fit over the head section of standard basement sash provides for weathering, rigidity, and glazing. Bolts are provided to connect the two units. The jamb sections are identical to basement sash jambs and align exactly. Note that the fixed light unit can be used with any of THREE standard basement sash. Glass size for the three fixed lights are shown in the detail layout.

Areaway Sash

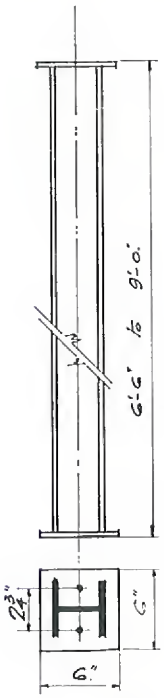
Here again, Gabriel standard basement sash, connected horizontally through a specially formed horizontal mullion, provide for variable conditions. The two units shown indicate only two possibilities. Any combination of units OF THE SAME WIDTH DIMENSION can be combined. The resulting overall height dimension will be the sum of the height dimensions of each unit minus ¼" for each horizontal mullion used. Sketches show two units of the same height in combination, but more than two units can be used and any combination of glass size can be connected in the manner shown. Vertical mullions of such length as may be required can also be supplied when wider units are desirable. The following units can be made up from standard basement sash: 2 lights wide—2'-0⅛" overall width by 2'-5½", 2'-9½" or 3'-1½" overall height: 3 lights wide—2'-10½" overall width by 2'-5½", 2'-9½", 3'-1½", 3'-5½" or 3'-9½" overall height.

Joist Hanger



Joist Angle

Lintels



Stanchions

Joist Hangers

Furnished for 2" x 6", 2" x 8", 2" x 10", 2" x 12", 4" x 8", 4" x 10", 4" x 12" joists. Ruggedly designed of heavy strip steel having a capacity far greater than the timber it carries. Used for stair, fireplace, and duct framing to speed up and economize construction.

Joist Angles

Under F.H.A. specifications joist angles are used in place of joist hangers under certain conditions. While we cannot be certain that F.H.A. specifications are the same for all territories, we do find that the joist angle shown here, will satisfy this requirement generally. The angle is made from ⅛" flat material formed with a 3" flat surface on each leg. Holes, as shown, are punched in both legs.

Lintels

Rolled and formed lintels for window openings and fireplace construction, of the following sizes can be furnished. Rolled lintels can be cut to any length. Formed lintels can be furnished in stock lengths shown below.

Rolled Angles	Formed Angles
3"x2½"x¼"	3¼"x3¼"x9 gauge
3"x3"x¼"	Stock lengths: 2'-0", 2'-6",
4"x3"x¼"	3'-0", 3'-6", 4'-0", 4'-6"
5"x3"x5/16"	4¼"x3¼"x7 gauge
6"x4"x⅜"	Stock lengths: 5'-0", 5'-6",
	6'-0", 6'-6", 7'-0"

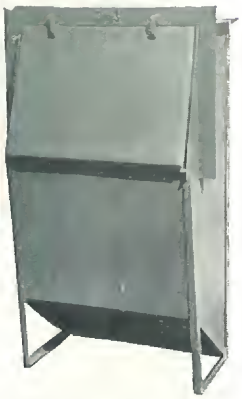
Basement Stanchions

In many locations, F.H.A. specification prohibits the use of used tubes as stanchions. 4" "H" section, rolled from new billets, with 6" x 6" cap and base plates, punched as shown, can be furnished in any of the stock lengths listed. The capacity of each length is shown. Note that the stock lengths are subject to a PLUS OR MINUS ⅜" tolerance.

		Length	Capacity
4"	"H" 7.5 lbs.	6' - 6" overall	29,000 lbs.
4"	"H" 7.5 lbs.	7' - 0" overall	28,000 lbs.
4"	"H" 7.5 lbs.	7' - 6" overall	26,500 lbs.
4"	"H" 7.5 lbs.	8' - 0" overall	25,000 lbs.
4"	"H" 7.5 lbs.	9' - 0" overall	23,000 lbs.

Type G-1608

Gabriel Grade Line Chute



Store Front Coal Chute

Type S-1608

Gabriel Coal Chutes

To provide adequately for coal delivery and to eliminate property damage and unsightlyness, a coal chute must embody time tested material and details. In material and detail, the Gabriel coal chute has experienced little change in seventeen years of use. Rolled steel, a uniform and rugged material, is used in its manufacture. The steel door (S1608 type) is flanged around the outside and paneled in the center in a manner to produce maximum stiffness. Heavy hinges and a spring locking device are welded to this stiff formed door. The glazed door (G1608 type) is flanged around the outside and a glazing frame is welded to the inside of the door at the edge of the glass opening to form a channel section. One quarter inch polished plate glass is securely bedded in the frame, producing a stiffness comparable with the steel door. The frame for both types is formed of rolled steel strip, with corners arc welded and with hinges welded through producing the equivalent of cast steel construction. A steel body, or boot, forming the opening in the masonry is welded to the frame. Hinges and spring catch are rustproofed to insure free operation.

The Gabriel coal chute is unbreakable. Its construction and detail guarantees satisfactory operation and its design is conservative and will not interfere with architectural design. Use the glazed door type when no window is provided in the coal bin. Glazed with ¼" plate glass, breakage is almost entirely eliminated and adequate light is provided through this single opening (glass size approximately 10" x 16").

Two masonry opening sizes can be furnished. Overall dimensions and masonry openings are given in the table on the opposite page.

GABRIEL FEATURES IN BRIEF

Heavy rolled steel throughout.

Operating parts rustproofed (Parkerized).

All joints and connections arc welded.

Positive locking device. Burglar proof.

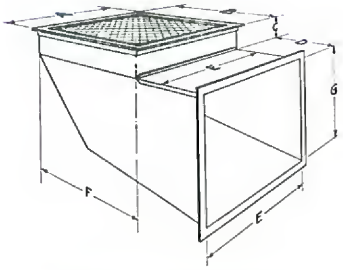
Automatic door opening (by chain release).

Polished plate glass in glazed type.

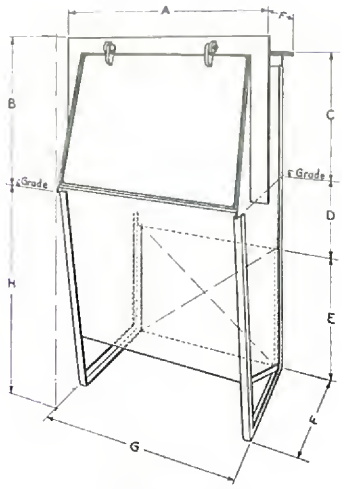
Two sizes of masonry opening.

Foundation wall, store front or grade-line types for any type or size of building.

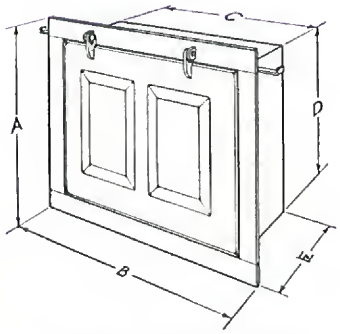
Coal Chute Dimensions



Grade Line Coal Chute



Store Front
Coal Chute



Foundation Wall Coal Chute

Gabriel Coal Chutes

GRADELINE

The Gradeline is designed for buildings when the first floor line is about at grade. The door is ¼" checkered plate supported by heavy hinges with brass hinge pins, with a frame of channel section. A sheet steel body is attached to the under side of the frame and dimensioned to project through the masonry wall. Angle reinforcement, to finish and reinforce the body is attached around the inside edge. Heavy asphaltum paint is used on this product. Dimensions of the two sizes are given below.

Stock No.	A	B	C	D	E	F	G
S 21	27	21	4½	16	25½	19	24
S 27	32½	27	4½	20	30¾	25	30½

STORE FRONT

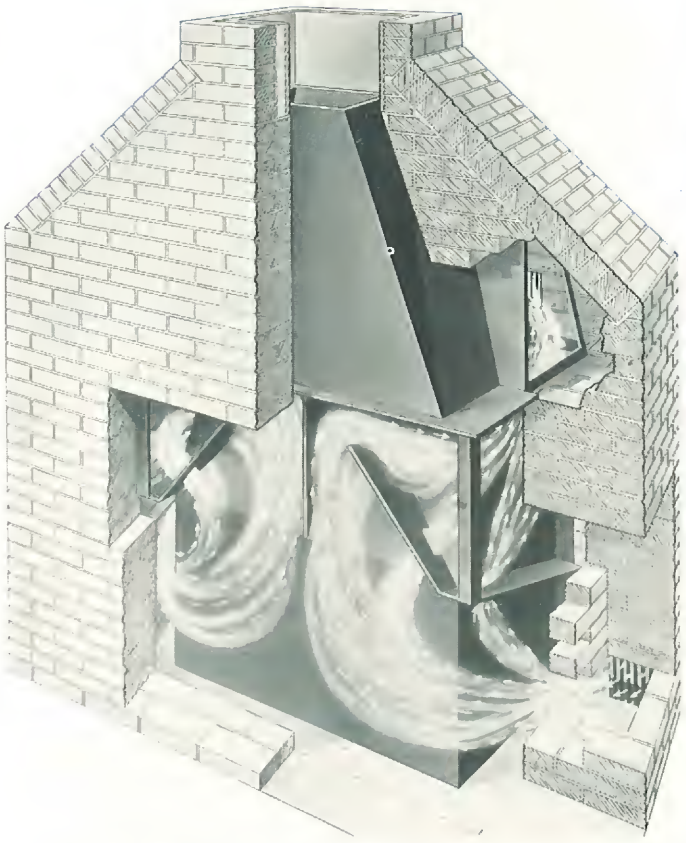
For buildings occupying the entire lot, the store front type chute is necessary. The door and frame of this chute is similar to the S1608 foundation wall chute but the body or boot is constructed so that coal delivered above grade is emptied just below the bottom of the floor joists into the coal bin. The dimension drawing and picture illustrate its construction quite clearly. To facilitate installation an angle iron frame is provided which sets on the wall, at the proper height, supporting the chute in its correct position. All corners, are reinforced with angle iron and the coal chute is painted with heavy asphaltum paint. Furnished in two sizes as shown below.

Stock No.	A	B	C	D	E	F	G	H
S 16	25	18	16	10	15	12	22	25
S 24	26	24	22	10	15	12	22	25

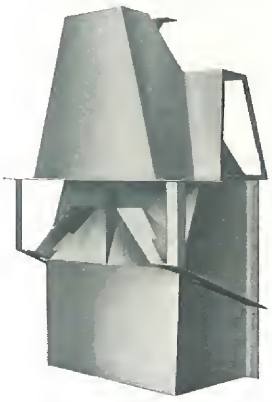
FOUNDATION CHUTES (Wall Type)

Actual Measurement in Inches

Stock Number	Description of Door	Overall of Frame A Height	Overall of Frame B Width	Size of Body C Width	Size of Body D Height	Size of Body E Depth
S1608	Steel, Paneled	19¼"	25¼"	21¾"	15¾"	8¾"
S1612	Steel, Paneled	19¼"	25¼"	21¾"	15¾"	12¾"
G1608	Plate Glass	19¼"	25¼"	21¾"	15¾"	8¾"
G1612	Plate Glass	19¼"	25¼"	21¾"	15¾"	12¾"
S3212	Steel, Paneled	24¼"	33¼"	29¾"	20¾"	12¾"



Cut away view from rear, showing 4" air space and air circulation baffle plates on sides and back of unit.



Rear View

Front view showing heat chamber with open front and ends.

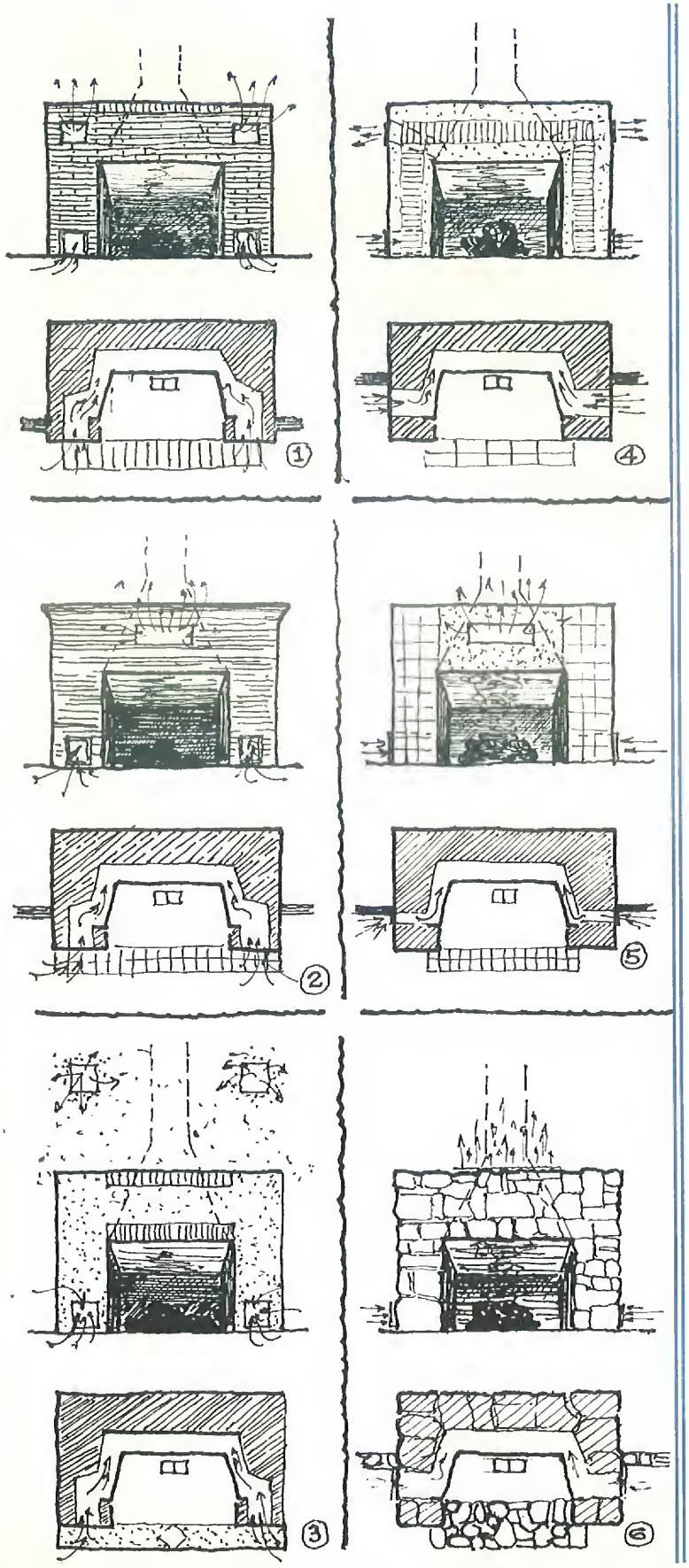
Gabriel Air-O-Heater For the Fireplace

The attractive fireplace can now be used efficiently to heat the home in moderate weather and to supplement the main heating system on extremely cold days. Air circulation is generated by the Gabriel Air-O-Heater, which increases the efficiency of an ordinary masonry fireplace (approximately 15%) to, from 50 to 60%. Controlled air flow, over the entire form, conducted to and from the areas of maximum temperatures by ducts, completely modernize the fireplace and make it a feature of real home service. To insure the design of the Gabriel Air-O-Heater, an experienced heating engineer was given the responsibility of determining its detail and dimensions. Months of testing and the more than satisfactory installation of many recent units guarantee the purpose of this unit.

The Gabriel Air-O-Heater is made of heavy gauge boiler plate with extra heavy back plate and smoke shelf. A damper for draft control is provided. Baffle plates, on the sides and back, direct the air currents over the areas of greatest heat, and eliminate all dead air pockets. Gabriel only provides this important detail for increased efficiency.

Sloping sides and back plate have been dimensioned to provide a maximum of direct radiation and are proportioned to eliminate all of the rather common fireplace difficulties. The Gabriel Air-O-Heater is a complete form, including the firebox, the damper, the smoke chamber and the smoke shelf. A heat chamber is provided across the entire front of the unit with open ends for easy duct attachment when outlets are desired in the sides of the fireplace, near the ceiling, or in upstair rooms.

For maximum efficiency, locate the fireplace in an interior wall. The intake can then be in the front, side, or back of the fireplace, or in the wall adjacent to the fireplace. The outlets can be located in the front, sides, or back of the fireplace, or ducts can be carried from the heat chamber to other first or second floor rooms. Drawings, here shown, indicate some of these positions.



Air-O-Heater Installations

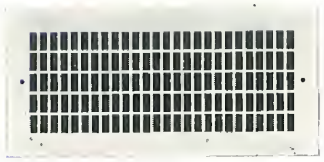
When brick is used in building the fireplace, a 4" air space must be provided at the sides and back of the Air-O-Heater as shown in sectional drawings on page 12. The inside face of the masonry should be clean and true. An outside steel shell is RECOMMENDED only where field stone is used and is furnished either separately or attached to the units as specified.

Attractive grilles, of a design to harmonize with interior details, are furnished. Minimum sizes for intake and outlet are shown in the dimension table. All grilles are pressed metal of heavy sheet material with frame flanges to connect to ducts. When installed in walls, plaster grounds should be provided around all duct openings. When the outlet is directly below the mantle, an incombustible insulating material over the duct is necessary. When outlet ducts are carried through or in interior partitions, they should be wrapped with an incombustible insulation.

TABLE OF SIZES AND ROOM CAPACITY

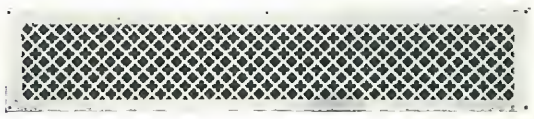
Size	Room Capacity	Size	Room Capacity
No. 28	3680 cu. ft.	No. 40	5360 cu. ft.
No. 34	4880 cu. ft.	No. 48	7420 cu. ft.

Popular Grilles



GRILLE NO. 68

GRILLE NO. 72

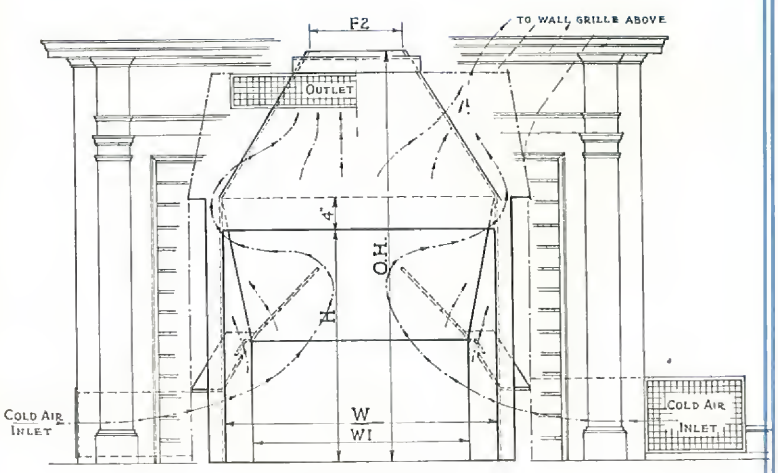


GRILLE NO. 76

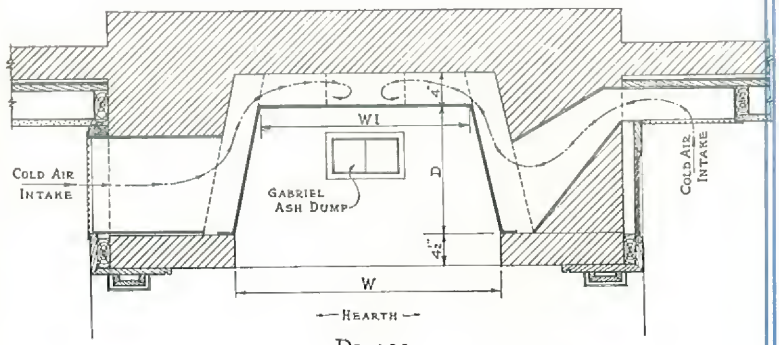
See table of Dimensions of Air-O-Heater for proper size of intake and outlet registers for each size of unit.

Complete installation details, given in a separate folder, are attached to each unit.

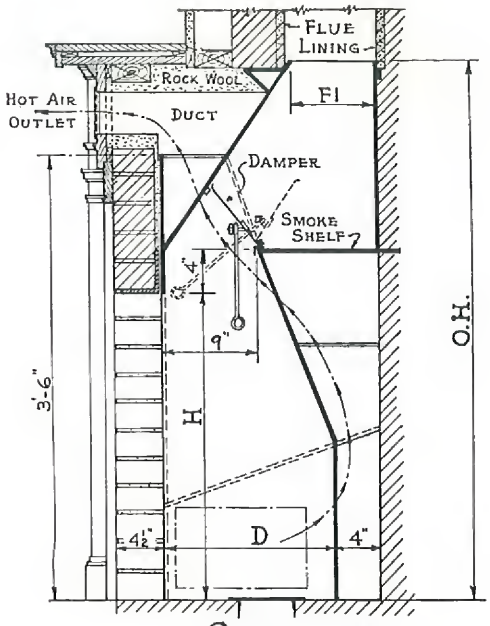
GABRIEL ROLLED STEEL PRODUCTS



ELEVATION



PLAN



SECTION

Air-O-Heater Dimensions

Many factors influence the heat losses in a building. Type of construction, whether frame or masonry, insulated or uninsulated, the number and size of door and window openings, the exposure and the climate, all have their influence. Since the fireplace is generally used as an auxiliary heating element, no attempt will be made in this catalog to furnish technical formula or data. The capacities shown in the table of sizes and room capacities are averaged for general building conditions and will provide for temperature changes of from 40 to 50 degrees.

For a successful fireplace several details must be carefully considered. Size of the flue is very important and minimum sizes are given in the table of Air-O-Heater sizes. Other important dimensions and details are suggested on these pages and in the fireplace details shown on the following page.

The use of an Air-O-Heater adds little, if any, to the cost of a fireplace. A great deal of time and material is saved and you are assured, in advance, of complete satisfaction and comfort.

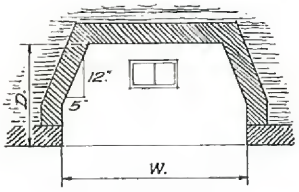
Dimensions of Air-O-Heater

UNIT / DIM.	№ 28	№ 34	№ 40	№ 48
H	24"	26"	28"	30"
W	28"	34"	40"	48
D	14"	16"	17"	18"
WI	22"	27"	32"	38"
OH	53"	53"	53"	53"
F1	6½"	6½"	10¾"	10¾"
F2	11"	11"	10¾	15¾"
FLUE LINING OUTS. DIM.	8½" x 13"	8½" x 13"	13" x 13"	13" x 18"
INTAKE GRILLES	2-8" x 6"	2-8" x 10"	2-8" x 10"	2-12" x 10"
OUTLET GRILLES	2-8" x 10" OR 1-20" x 6"	2-8" x 12" OR 1-24" x 6"	2-8" x 12" OR 1-30" x 6"	2-12" x 10" OR 1-30" x 8"

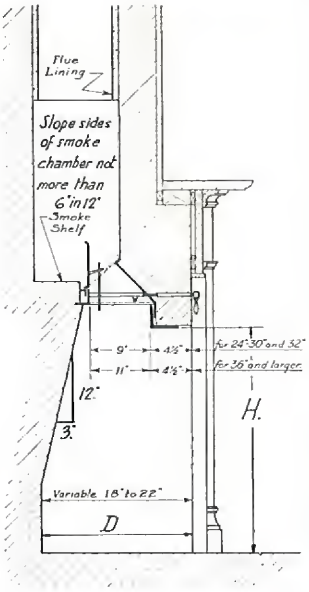
GABRIEL ROLLED STEEL PRODUCTS

Build Your Fireplace Correctly And Enjoy It

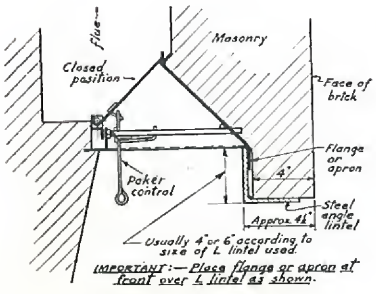
A Fireplace—friendly, warm, cheerful.



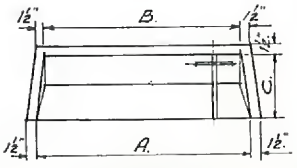
Plan of fireplace.



Section thru fireplace.



Enlarged View of Fireplace Throat, showing Poker Control.



Bottom view of Dome Damper.

Fireplace Details

Successful fireplaces are the product of careful design and proper workmanship. The sketches, here shown, will be helpful in design. There is only one correct height and depth dimension for any fireplace width. We have listed these corresponding dimensions only after a complete study of the published data covering these points. Thousands of Gabriel equipped fireplaces have been built during the last few years to prove the correctness of this recommendation.

The three important slope ratios, i. e., the back of the fireplace, the side walls of the fireplace, and the sidewalls of the smoke chamber should be carefully followed and the following details should be carefully checked.

1. Provide an adequate footing for the fireplace and chimney.
2. Use a dome damper as wide as the fireplace opening and keep it as far FORWARD as the facing material will permit, and at least 4", and preferably 6", above the top of the fireplace opening.
3. Provide an adequate smoke shelf back of the damper, and clean out all mortar and loose brick chips after chimney is completed.
4. Locate the flue, of proper size, on the center of the fireplace and wipe all flue joints clean. Be sure that all walls of the smoke chamber are true and smooth.
5. Extend the chimney far enough above the highest point of the roof or nearby trees to eliminate back drafts.
6. The size of the fireplace should correspond with the dimensions of the room. Don't make it too small.

FIRE PLACE AND DOME DAMPER DIMENSIONS.

W.	H.	D.	Minimum inside flue size	Stock number of damper	A.	B.	C.
24"	24"	18"	8"×8"	DD24	24"	21"	9"
30"	24"	18"	8"×10"	" 30	30"	27"	9"
32"	24"	18"	8"×10"	" 32	32"	29"	9"
36"	26"	20"	8"×12"	" 36	36"	33"	11"
42"	28"	20"	10"×12"	" 42	42"	39"	11"
48"	30"	22"	10"×16"	" 48	48"	45"	11"
54"	32"	22"	12"×18"	" 54	54"	51"	11"
60"	34"	24"	12"×20"	" 60	60"	57"	11"

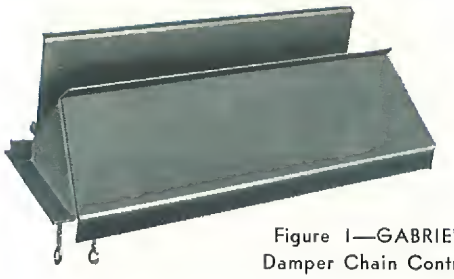


Figure 1—GABRIEL
Damper Chain Control

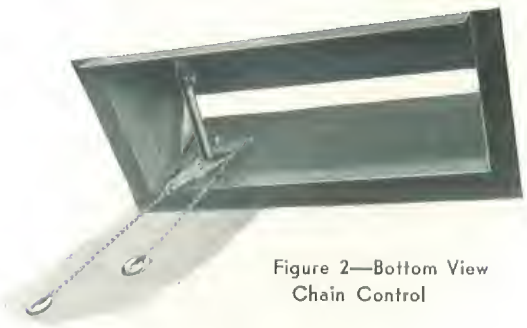


Figure 2—Bottom View
Chain Control

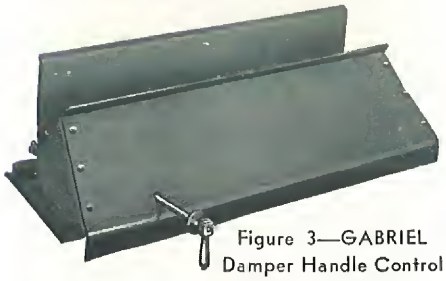


Figure 3—GABRIEL
Damper Handle Control

Figure 4—Bottom View
Poker Control

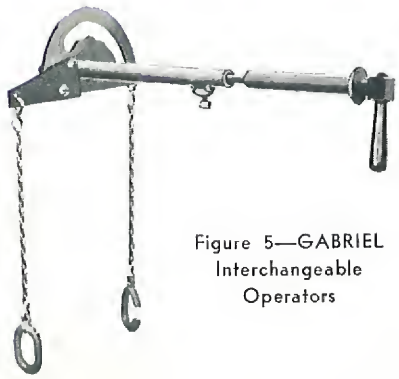


Figure 5—GABRIEL
Interchangeable
Operators

Dome Dampers

GABRIEL Dome Dampers here shown, if properly installed in a correctly built fireplace, will control draft, eliminate back-draft and operate easily at all times. No dome damper can correct faulty fireplace design.

GABRIEL Dome Dampers are made from unbreakable rust-resisting BOILER PLATE with all joints electrically arc welded. The damper leaf is hinged at the back to serve as a stop for back-drafts. It is flanged to prevent warping and insure easy operation, and so hinged that it can be removed without disturbing the damper or removing the operator, so that loose bricks and mortar can be easily removed.

Chain control, as shown in Figures 1 and 2, is rapidly replacing all other methods of operation. Handle or poker control can be furnished, however, if desired. Figure 5 shows the operator in detail and indicates the interchangeability to handle control. All operating parts are Parkerized to fully insure their long life and easy operation. Figure 3 shows a 36" damper with handle control, while Figure 4 shows the more economical poker control.

The section showing "Typical Damper Installation" shows an angle lintel across the fireplace opening (4" x 4" x 3/8") with the front flange of the damper overlapping the vertical leg of the angle. This construction, in a properly dimensioned fireplace, will insure satisfactory operation. A longer vertical leg will produce even better results.

Dampers are furnished in eight standard sizes for fireplace openings of 24", 30", 32", 36", 42", 48", 54", and 60". The overall width is 3" more than the fireplace opening. The overall depth is 10½" for dampers up to 32" long and 12½" for dampers over 36" in length and the overall height (damper closed) is 7".

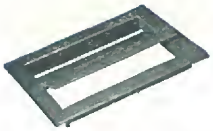


Figure 1—Single Leaf Ash Dump

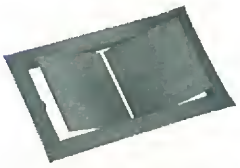


Figure 2—Double Leaf Ash Dump. (Size of Standard fire brick.)

Figure 3—Ash Pit Door

Figure 4—Clean-out Door

Figure 5—Heavy Duty Clean-out Door

Ash Pit Doors and Ash Dumps

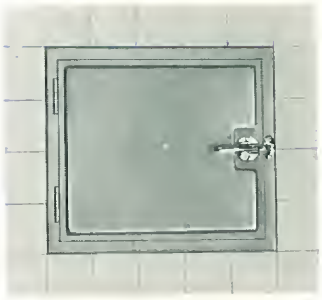
GABRIEL fireplace fittings as shown on this sheet are made of special rust-resisting rolled steel with operating parts closely fitted and so constructed as to insure easy operation.

The Ash Dump is offered in two sizes and two styles, the single leaf (Fig. 1) with an opening of 5″ x 7″, and the double leaf (Fig. 2) with an opening of 4″ x 8″. Both designs have leaves so pivoted as to make them non-removable. They cannot become disengaged and drop into the ash pit.

The smaller sizes of ash pit doors, namely the 8″x8″, 10″x8″, and 12″x10″, are offered in a style as shown by Figure 3. These are intended for cleanout doors in the ash pit and have strap anchors which securely imbed in the masonry. The doors are hung on unbreakable hinges and are tight fitting.

Figure 4 shows a heavy duty cleanout door having a clear opening of 15″ x 15″. This design is recommended for stack and boiler construction and is made of unbreakable material with extra heavy hinges and keeper. The back of the frame is so formed as to insure its positive anchorage in masonry construction.

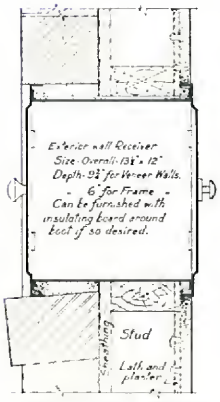
Figure 5 shows the two larger sizes of cleanout doors for stack and boiler construction, and are offered in sizes of 16″ x 22″ and 21″ x 32″ respectively. These doors and frames are extra heavy with strap anchors on the back of the frame and with extra heavy fittings. The doors fit tightly against a door stop and are flanged to prevent misalignment.



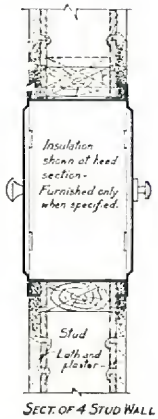
Milk and Package Receiver
Inside view

G9 with open Door
Outside view

G6A Outside view



Section of Brick Veneer Wall



Sect. of 4 Stud Wall

Milk and Package Receivers

To encourage the safeguarding of milk delivery, Gabriel has greatly improved this important home necessity. No product delivered to the home is more susceptible to contamination than milk — the only complete food of American youth. The Gabriel receiver is made from heavy gauge pickled sheets, designed for installation DURING construction. Both inside and outside frames are formed and punched to provide mortar and plaster key and to set back INTO the exterior wall eliminating the possibility of dampness getting in around the body.

The doors are deeply embossed providing a pleasing appearance and giving rigidity needed for daily use. Substantial hinges with brass pins and cast bronze nickel finish hardware are furnished. This design and hardware makes it desirable to install the receiver in the KITCHEN WALL, usually over the drainboard or ledge. A prime coat of pearl gray lead and oil paint is sprayed on and the unit, made from smooth pickled sheets, can be finished with inside paint or enamel and ADDS to the attractiveness of any kitchen. Here is a real Gabriel home NECESSITY.

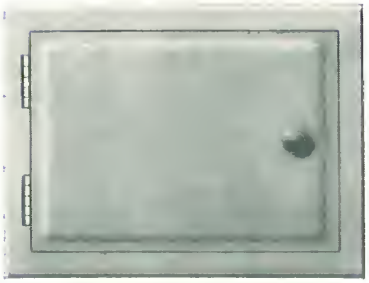
Two opening sizes for three wall thicknesses are shown in the following table. Insulated units can be furnished with double doors and with insulation completely covering the body.

Both doors are hinged on the same side and the unit can be installed so that the inside door, which is usually the determining factor, can swing either from the left or the right. Horizontally operating hardware catch, makes this possible. The capacity of the G9 (for brick veneer or solid masonry) is six quart bottles and of the G6 (for frame construction) three quart bottles. The G6A (apartment size) has a smaller body dimension and its capacity is limited, as shown at the left.

Type	Overall Size Width	Overall Size Height	Door Opening Width	Door Opening Height	Wall Thickness
G6A	8½"	12"	7"	10½"	5¾"
G6	13½"	12"	12"	10½"	5¾"
G9	13½"	12"	12"	10½"	9¾"
*G9I	13½"	12"	12"	10½"	9¾"
G13	13½"	12"	12"	10½"	12¾"
*G13I	13½"	12"	12"	10½"	12¾"

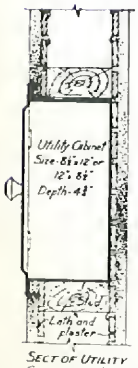
*This cabinet is insulated around outside of body and has double outside doors.

G71 Laundry Chute Door
G101 Laundry Chute Door
G74 and 76 Utility Cabinet

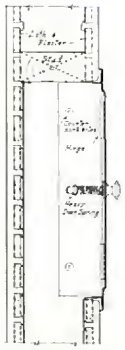


G104 and 106 Utility Cabinet
Frame of G71F and G101F is
same detail as here shown

G74 for Kitchen Use



Sect of Utility Cabinet in 4" Stud Wall



Section Thru Laundry Chute in 4" Stud Wall

Utility Cabinets

In the bathroom or kitchen, Gabriel again scores with another real home convenience: The laundry chute door, made attractively with substantial hinges, knob and tension spring to keep the door closed tightly. Smooth pickled sheets are used in its manufacture and it is given a spray coat of white lead and oil primer, ready for a finish coat of inside paint or enamel. Little details are not overlooked. Set in, or countersunk, nail head depressions are provided at nail holes; spring and spring attachments are made in such a way as to eliminate rough projections so that clothes will not catch. The frame is made in two styles; built in, as shown in section for the utility cabinet, or flush type as shown in section through laundry chute. Doors are hung on wide hinges with brass pins, and knobs of spun brass with coil springs complete the hardware. Two sizes of doors and wall openings are shown below.

Stock No.	Style	Size of Wall Opening Width	Size of Wall Opening Height	Size of Door Opening Width	Size of Door Opening Height	Overall Size of Frame Width	Overall Size of Frame Height	Depth of Boot
G71	Built in	7"	10½"	7"	10½"	8½"	12"	2"
G101	Built in	10½"	12"	10½"	12"	12"	13½"	2"
G71F	Flush	7"	10½"	7"	10½"	8½"	12"	2"
G101F	Flush	10½"	12"	10½"	12"	12"	13½"	2"

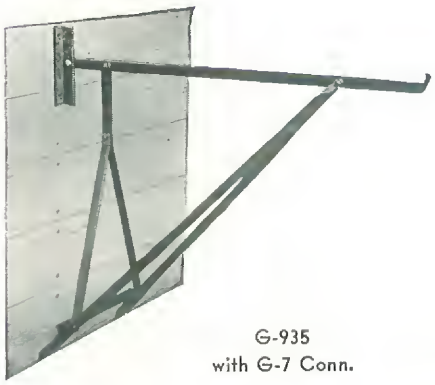
Again in the bathroom, kitchen, and service hallway Gabriel offers a utility. Utility cabinets, in reality laundry chute doors without the coil spring, but with a friction spring and a wall body, add a great convenience. In the bathroom, to house those items too large for the medicine cabinet and the extra supplies always needed; in the kitchen to provide a place for everyday necessities, and located where they are convenient; in the service hallway for brushes, dusters, and dozens of other things of occasional use. The finish and hardware permit installation of these cabinets anywhere. Sizes and dimensions of utility cabinets are given below.

UTILITY CABINETS

Stock No.	Type or Style	Wall Opening Width	Wall Opening Height	Door Opening Width	Door Opening Height	Overall of Frame Width	Overall of Frame Height	Depth of Boot
G74	Built in	7"	10½"	7"	10½"	8½"	12"	4½"
G76	Built in	7"	10½"	7"	10½"	8½"	12"	6½"
G104F	Flush	12"	10½"	12"	10½"	13½"	12"	4½"
G106F	Flush	12"	10½"	12"	10½"	13½"	12"	6½"

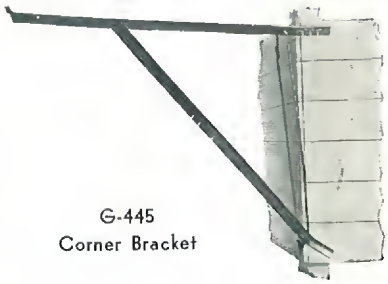
G-935
with G-5 Conn.

G-5 Studding Conn.

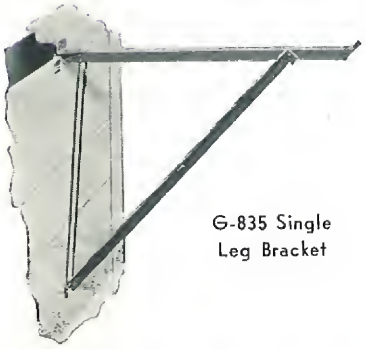


G-7
Stucco Conn.

G-935
with G-7 Conn.



G-445
Corner Bracket



G-835 Single
Leg Bracket

G-6
Sheathing Conn.

G-8 Sheathing Attachment

Scaffold Brackets

Gabriel scaffold brackets, in use more than twenty years, provide real economy and security for the builder. They are made of rolled steel sections with brass washers separating all parts to insure easy opening and closing. A patented automatic locking device holds the bracket securely in either the open or closed position. This feature permits handling and storing as a unit and eliminates the possibility of lost parts and the inconvenience common to loosely connected brackets. The wide spread of the diagonal legs or the heavy wing plate prevent side sway.

The G935 with horizontal member 3′-6″ long, and G940, with horizontal member 4′-0″ long, are sidewall brackets and detailed so that either the G5, G6, G7, or G8 connection may be used.

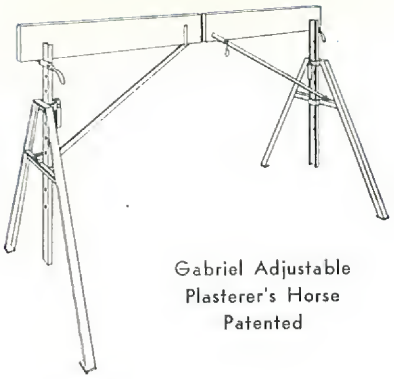
The G445, with horizontal member 4′-6″ long, is designed for use on the corner of the building, providing safe movement at corners. The G835, with horizontal member 3′-6″ long, is a single leg bracket and is primarily a sheathing bracket.

The double leg and corner brackets with G5 or G8 connections, are approved by many State Industrial Commissions for Safety, as they are capable of supporting heavy loads.

Interchangeable connections G5, G6, G7, or G8 can be used with the G935 or G940 brackets, thus providing a bracket for all types of work. The G445 and G835 brackets are furnished with only the one connection as shown.

The G5 connection fits around the studding. The G6 connection fits over the sheathing. The G7 connection can be nailed to sheathing or studding. The G8 connection bolts through the studs.

Stock No.	Length	Description
G835	3′ 6″	Single leg
G935	3′ 6″	Double leg
G940	4′ 0″	Double leg
G445	4′ 6″	Corner bracket



Gabriel Adjustable
Plasterer's Horse
Patented

Carpenter's Horse
C-204 Assembled
T-262 Similar

M-4102
Assembled

Mason's
Horse

Folded
for
Storage

Scaffold Horses

Plasterer's Horse

The new Gabriel adjustable plasterer's horse embodies many exclusive details of convenience and economy. This improved horse is available in six standard sizes providing for a range in height from 1′-6″ to 12′-6″. Heights are given to the top of the cross member, assuming this to be 2″ x 8″. Immediate adjustment to any required height is made possible by a special patented locking device which eliminates the necessity of loose bolts, wrenches, or other tools. Malleable handle nuts are furnished for all bolts attaching to cross member. All operating parts are rust-proofed to insure against corrosion and to prolong the life of the equipment. The vertical support is a heavy rolled channel section which provides maximum rigidity. The legs and diagonal braces are rolled angles. The following table gives height adjustment for each size.

Stock No.	HEIGHT Lowest	HEIGHT Highest
P1	1′ 6″	2′ 0″
P2	2′ 0″	3′ 0″
P3	3′ 0″	4′ 3″
P4	4′ 0″	6′ 3″
P5	6′ 3″	10′ 0″
P6	8′ 0″	12′ 6″

Carpenter's Horse

The Gabriel carpenter's horse legs consist of steel jaw plates, tie links and self-locking spreader securely riveted together and bolted to wooden legs. The jaw plates have teeth which bite into the cross member. The legs are 1″ x 3″ high-grade hardwood. This equipment is light in weight and easy to handle, and saves time and labor in making up horses on the job. They can be transported from one job to another easily and economically. Furnished in two sizes.

Stock No.	Height	Width of Jaw
C 204	2′ 0″	4″
T 262	2′ 6″	2″

Mason's Horse

The Gabriel mason's horse is similar in design to the carpenter's horse, but much heavier with legs made of 2″ x 4″ yellow pine. When attached to a 2″ x 4″ cross member it makes a horse 5′-0″ high. This equipment can be instantly attached or detached to any desired length of cross member, and can be transported and stored in a minimum of space.

Type A Incinerator

This unsanitary condition can be eliminated by the use of a Gabriel Incinerator.

Incinerator

The disposal of refuse and garbage has long been a troublesome problem. In large homes and in many of the average size homes built today, a masonry incinerator is included at a cost of from $150.00 to $800.00. To provide this same convenience to the average home owner we have developed and improved a portable unit which can be installed in any convenient location in the basement. A separate 8" x 8" flue is desirable but where this is not available the smoke pipe leading from the incinerator can be run into the furnace flue. Hundreds of such installations have been successfully made during the last few months. For the consumption of ordinary refuse and garbage no gas fire is necessary, but a bunsen type gas burner is provided just below the grate to be used when unusual amounts of wet refuse and garbage are to be burned.

Incinerators, made in two sizes, are offered at an extremely low price. This new product has been designed with the utmost regard for utility. It is soundly constructed with the best quality cast iron grates, top and lid, closely fitted to a double shell body of steel. The double shell construction provides ventilation which keeps the outside cool. A bar grillage is welded to the inside shell to insure proper draft. The ash pit door is of convenient size and unbreakable.

EASY TO INSTALL

It is necessary only to provide a hole in the chimney of suitable size to install a six-inch smoke pipe and to make a single connection with a one-half inch gas supply. The incinerator should be set not less than 24 inches away from a wood partition and entry into the chimney made not less than 24 inches below the floor joists. These clearances may be decreased to 12 inches if all woodwork within 24 inches is covered with metal shields.

Type	Capacity	Outside Diameter	Inside Diameter	Overall Height
A	2 bushels	20"	18"	31"
B	3 bushels	20"	18"	39"

PRINTED IN U. S. A. · 1940

List of Gabriel Products

Coal Chutes

Basement Windows

Utility Sash

Areaway Sash

Milk and Package Receivers

Dome Dampers

Ash Pit Doors

Ash Dumps

Joist Hangers and Angles

Utility Cabinets

Laundry Chute Doors

Scaffold Brackets and Horses

Incinerators

Lintels

Fireplace Air-O-Heater

H Columns for Stanchions

1940 PRICE LIST

As Revised January 10, 1940

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GABRIEL
ROLLED STEEL PRODUCTS

All prices herein shown are CONTRACTOR or LIST, prices and subject to change without notice. Discounts vary for quantity and are shown on attached discount sheet. Each Gabriel product is made from rolled steel best suited to the individual product. See catalog for complete description.

Gabriel Basement Wall Coal Chutes

Panelled Steel Door, Fixed Boot, Flat Bottom

No.	Approx. Size	Door Opening Width	Door Opening Height	Depth	Weight Lbs.	List Price
S1608	24x17"	21½"	15½"	8¾"	36	$ 4.75
S1612	24x17"	21½"	15½"	12½"	42	5.50
S3212	32x22"	30"	20½"	12½"	68	12.00

Glass Panel Door, Fixed Boot, Flat Bottom

G1608	24x17"	21½"	15½"	8¾"	42	$ 8.00
G1612	24x17"	21½"	15½"	12½"	48	9.00

Hoppers (Attached To Coal Chute When Specified)

H24	24"	21½"		6"	12	$ 2.50
H32	32"	30"		8"	15	4.00

Store Type, Plain Steel Door

S16	24x17"	21½"	15½"	12"	100	$18.50
S24	24x24"	21½"	21½"	12"	140	26.00

Gabriel Grade Line Coal Chutes

S21	27x21"	24"	18"	16"	150	$34.00
S27	33x27"	30"	24"	20"	225	45.00

Lintels, Rolled Angles For Sash or Fireplace

Size	Weight per Foot	List Price per Foot
3"x2½"x¼"	4.5 lbs.	$ .25
3"x3"x¼"	4.9 lbs.	.28
4"x3"x¼"	5.8 lbs.	.33
5"x3"x$\frac{5}{16}$"	8.2 lbs.	.47
6"x4"x⅜"	12.3 lbs.	.70

Gabriel Fireplace Dampers

No.	Hand or Chain: Fireplace Width	Hand or Chain: Weight Each	Hand or Chain: List Price	Poker: Weight Each	Poker: List Price
DD24	24"	24	$ 4.50	24	$ 4.00
DD30	30"	30	4.80	30	4.35
DD32	32"	32	5.00	32	4.50
DD36	36"	36	5.75	36	5.00
DD42	42"	42	7.00	42	6.30
DD48	48"	48	7.50	48	7.00
DD54	54"	57	9.00	57	8.00
DD60	60"	63	10.00	63	10.00

Separate operators furnished at $1.50 List. Brass Plated Hand operator, $2.00 List.

Ash Pit or Clean Out Doors

No.	Door Opening	Detail	Weight, Each	List Price
88	8x8"	Standard	6	$ .75
108	10x8"	Standard	7	.85
1210	12x10"	Standard	10	1.25
1515	15x15"	Heavy Duty	24	5.50
2216	22x16"	Heavy Duty	32	6.00
2222	22x22"	Heavy Duty	42	8.00
3021	30x21"	Heavy Duty	48	10.00

Ash Dumps

57	5x7"	Single Leaf	3	$ .65
48	4x8"	Double Leaf	3	.50

Formed Lintels For Steel or Wood Windows

3¼ x 3¼ x 9 Ga. Overall Length	Weight	Price Each	4¼ x 3¼ x 7 Ga. Overall Length	Weight	Price Each
2-0	6.8 Ea.	$ .75	5-0	24.	$2.10
2-6	8.5 Ea.	.85	5-6	26.5	2.30
3-0	10. Ea.	.95	6-0	29.	2.50
3-6	12. Ea.	1.15	6-6	31.5	2.70
4-0	14. Ea.	1.30	7-0	34.	2.90
4-6	15.5 Ea.	1.40			

Gabriel Basement Sash - Screens - Mullions - Window Guards

	Glass Size	Masonry Opening	Weight	Putty Type List Price	Puttyless Type List Price
2 light	10"x12"	1'-11⅛"x1'-1"¾	15	$2.90	$3.15
2 light	10"x16"	1'-11⅛"x1'-5¾"	17	3.00	3.25
2 light	14"x20"	2'- 7⅛"x1'-9¾"	20	3.30	3.60
3 light	10"x12"	2'- 9½"x1'-1¾"	19	3.20	3.55
3 light	10"x16"	2'- 9½"x1'-5¾"	21	3.40	3.75
3 light	10"x20"	2'- 9½"x1'-9¾"	22	3.50	3.90
3 light	12"x18"	3'- 3½"x1'-7¾"	23	3.60	4.00
3 light	10"x16"	Utility Fixed Light	14	2.25	2.80

Screens and Window Guards

16 Mesh Bronze Wire with attaching clips..... ....$2.75
For ½" Round Bar Window Guards..... 3.00

Mullions

Vertical Mullion (for 1 Unit high)..... .75
Horizontal Mullion (for 1 Unit wide)..... .50

Gabriel Milk and Package Receiver

No.	Door Size	Body Depth	Detail	Weight	List Price
G6	12x10½"	5½"	Single Door	12	$ 4.35
G9	12x10½"	9¾"	Single Door	16	4.50
G13	12x10½"	13¾"	Single Door	20	5.50
G91	12x10½"	9¾"	Double Doors Insulated	24	10.00
G131	12x10½"	13¾"	Double Doors Insulated	28	11.00
G6A	7x10½"	5½"	Single Door	12	5.50

Gabriel Utility Cabinets

No.	Door Size	Body Depth	Weight Each	List Price
G74 and G74H	7x10½"	4½"	5	$2.25
G76 and G76H	10½"x7"	6½"	6	2.50
G104 and G104H	10½"x12"	4½"	8	2.75
G106 and G106H	12x10½"	6½"	9	3.00

Utility Cabinets are furnished in built-in or flush type frames. Specify type required.

Laundry or Clothes Chute Doors

G71	7x10½"	2"	5	$ 1.50
G101	10½"x12"	2"	6	1.70
G71F	7x10½"	2"	5	1.50
G101F	10½"x12"	2"	6	1.70

Add $1.00 Net to G71 or G71F or $2.00 Net to G101 or G101F for Chromium Plating.

Joist Hangers

No.	Size	Weight	List Price
206	2"x6"	1 lb.	$ .20 each
208	2"x8"	1.5 lbs.	.22 each
210	2"x10"	2 lbs.	.24 each
212	2"x12"	2.5 lbs.	.38 each
408	4"x8"	2.5 lbs.	.26 each
410	4"x10"	3 lbs.	.32 each
412	4"x12"	3.5 lbs.	.44 each

Joist Angles

Stock No.	Material	Length	Weight	List Price
L7	3"x3"x⅛" L	7"	1.5 lbs.	$ .14

Portable Incinerator

2 bushel capacity	20" diameter	31" high	160 lbs.	$37.50
3 bushel capacity	20" diameter	39" high	180 lbs.	41.50

Another new and practical Gabriel product. Can be installed in old or new homes. Fitted with gas burner for natural or artificial gas. State kind of gas used.

Intake and Outlet Registers

Stock No.	SIZES AND LIST PRICES					
	8x6	8x10 8x12	8x14	24x5	24x6	30x8
68	$1.30	$1.55	$1.70	$1.90	$2.35	$3.10
72	2.00	2.50	2.65	3.10	3.65	5.00
76	2.30	2.85	3.05	3.40	4.20	5.85

Plasterer's Scaffold Horses

Stock No.	Weight in Lbs.	HEIGHT Lowest	HEIGHT Highest	List Price Per Horse
P1	18	1'-6"	2'-0"	$ 8.00
P2	24	2'-0"	3'-0"	10.00
P3	34	3'-0"	4'-3"	11.50
P4	56	4'-0"	6'-3"	15.00
P5	116	6'-3"	10'-0"	20.00
P6	160	8'-0"	12'-6"	22.00

Mason's Horses

M-4102	24	5'-0"	2" jaw; fixed hgt.	$ 6.00

Carpenter's Horses

C204	10	2'-0"	4" jaw; fixed hgt.	$ 4.00
T262	12	2'-6"	2" jaw; fixed hgt.	4.50

Carpenter's Scaffold Brackets (Side Wall)

Stock No.	Weight in Lbs. Each	Length	Description	List Price Dozen
G835	13	3'-6"	Single leg	$27.50
G935	16	3'-6"	Double leg	30.00
G940	17	4'-0"	Double leg	32.00
G445	20	4'-6"	Corner bracket	50.00

The G935 and G940 brackets are automatic locking. Nos. G935 and G940 can be furnished with G5, G7, or G8 connection. State which one is required. The above prices include one type of connection only. If G8 type is required add $5.00 list per dozen to above prices.

Extra End Connections

Stock No.	Weight in Lbs. Dozen	Description	List Price Dozen
G5	18	Studding hook	$5.00
G6	12	Sheating hook	5.00
G7	21	Nail on type	5.00
G8	24	Bolt through type	10.00

Above connections are interchangeable for brackets No. G935 and G940.

Stanchions (4" H Columns)

Stock No.	Weight	Length	List Price
66	51	6'—6"	$5.20
70	55	7'—0"	5.50
76	58	7'—6"	5.80
80	62	8'—0"	6.10
90	70	9'—0"	6.60

NOTE—Lengths are subject to plus or minus ⅜" variation.

Prices on open web Steel Joist or open steel floor or areaway grating will be quoted upon request. Send complete information when requesting prices on joist or grating.

Air-O-Heater Fireplace Unit

Stock No.	Fireplace Width	Weight Each	List Price	List Price for Shell
FF28	28"	182	$36.00	$2.00
FF34	34"	260	40.00	2.50
FF40	40"	340	46.00	3.00
FF48	48"	500	60.00	5.00